

Abstract of the Disclosure

The process describes how transmission gears (6) can be manufactured in a highly economical and highly precise manner. In one single mounting, the complete hard fine-machining on all of the most important functional surfaces of the workpiece is conducted simultaneously. This multi-process is made possible through the combined use of a continuous generating grinding process for the machining of gearing, a known method for the machining of the boring and possibly of a frontal surface, and the fixing of workpieces (6) on form elements such as chamfers or plane surfaces by means of centering elements (9, 10) which are designed in such a way that they do not block the free access of the individual tools (5, 11, 28) to the surfaces (7, 8, 27) to be machined.